

ABSTRACT OF THE DISCLOSURE

An optical disk recording method performs recording of data at a variable linear velocity multiplication factor in accordance with a radial position of a irradiation optical beam on an optical disk. The method is carried out by the steps of performing an actual recording with a variable writing power $y = ax + b$ of the irradiation optical beam in accordance with a linear velocity multiplication factor x where the constant a is determined to a fixed value according to a type of the optical disk, performing a test recording before starting the actual recording such that the test recording is carried out with a test linear velocity multiplication factor to obtain an appropriate writing power of the irradiation optical beam, and setting the constant b by solving the function $y = ax + b$ with using the results of the test recording, whereby the actual recording can be performed with an appropriate writing power y calculated based on the function $y = ax + b$ having the set constants a and b .

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